

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-07-25 14:42:22

Date of Next Testing: 2028-07-24 14:42:22

Product Name: **Hexadecyltrimethylammonium chloride**

CAS Number: 112-02-7

Specifications & Purity:  $\geq 97\%$

Lot #: G2404559

SKU #: **H105309**

Version: **0**

Analysis #: **349969**

Storage Temperature: Room temperature, Argon charged

| Parameter                       | Limit Values           | Result                 |
|---------------------------------|------------------------|------------------------|
| PH(5% in water)                 | 4-7.5                  | 6.80000                |
| Purity (Argentmetric Titration) | 96.5-103.5 (%)         | 101.94000 %            |
| Water by Karl Fischer           | 0-5 (%)                | 4.55000 %              |
| Proton NMR spectrum             | Conforms to Structure  | Conforms to Structure  |
| Solubility in H <sub>2</sub> O  | Almost transparency    | almost transparency    |
| Appearance (H105309)            | white amorphous powder | white amorphous powder |



John Su  
QA & QC Manager